GIGAVIDEO800™ HDMI

Wireless HD Audio/Video sender

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20301/20090316 • GIGAVIDEO800 HDMI™

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SAFETY WARNINGS

• To prevent short circuits, this product should only be used inside and only in dry spaces. Do not expose the components to rain or moisture. Do not use the product close to a bath, swimming pool etc.
• Do not expose the components of your systems to extremely high temperatures or bright light sources.
• In case of improper usage or if you have altered and repaired the product yourself, all guarantees expire. Marmitek does not accept responsibility in the case of improper usage of the product or when the product is used for purposes other than specified. Marmitek does not accept responsibility for additional damage other than covered by the legal product responsibility.
• This product is not a toy. Keep out of reach of children.
• Do not open the product (battery panel excepted): the device may contain live parts. The product should only be repaired or serviced by a qualified expert.
• Keep batteries out of the reach of children. Dispose of batteries as chemical waste. Never use old and new batteries or different types of batteries together. Remove the batteries when you are not using the system for a longer period of time. Check the polarity (+/-) of the batteries when inserting them in the product. Wrong positioning can cause an explosion.
• Only connect the adapter to the mains after checking whether the mains voltage is the same as the values on the identification tags. Never connect an adapter or power cord when it is damaged. In that case, contact your supplier.

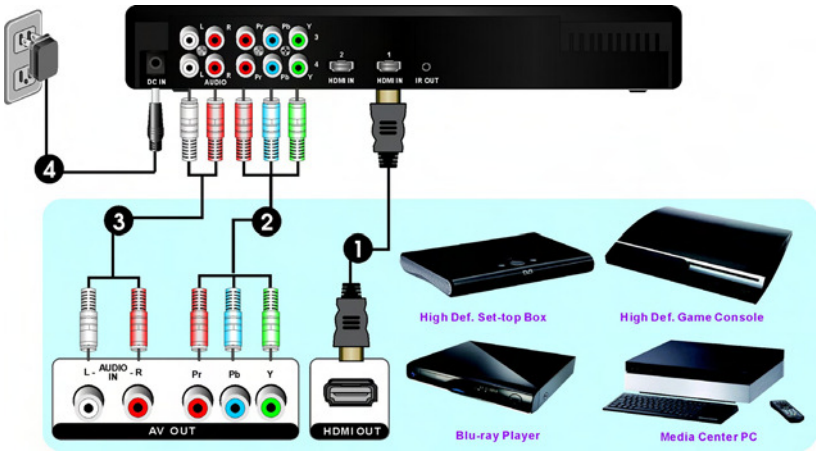
INTRODUCTION

Congratulations on purchasing the Marmitek GigaVideo800! It enables you to connect up to 4 HD devices and transmit the HD signal wireless to your HDTV or HD-projector. Examples of HD devices are: HD-DVD player, Blu-ray player, HD-Set top Box, PlayStation3, Xbox 360, etc. The GigaVideo800 supports HD resolutions up to 1080p. The built-in infrared extension feature enables you to operate the HD devices with your own remote control while hidden in a closed cabinet!
The Marmitek products are manufactured with the utmost precision and are of high quality. Please read this manual first and follow the instructions so you can enjoy the possibilities of this product optimally.

SET CONTENTS

1x HDMI Transmitter
1x HDMI Receiver
1x HDMI Remote Control
1x Gold plated HDMI cable
1x IR Sensor Extender cable
1x IR Blaster Extender cable
2x Energy Saving Switched mode power supply
2x Anchors + Screws
1x User Guide

GIGAVIDEO 800 TRANSMITTER CONNECTIONS



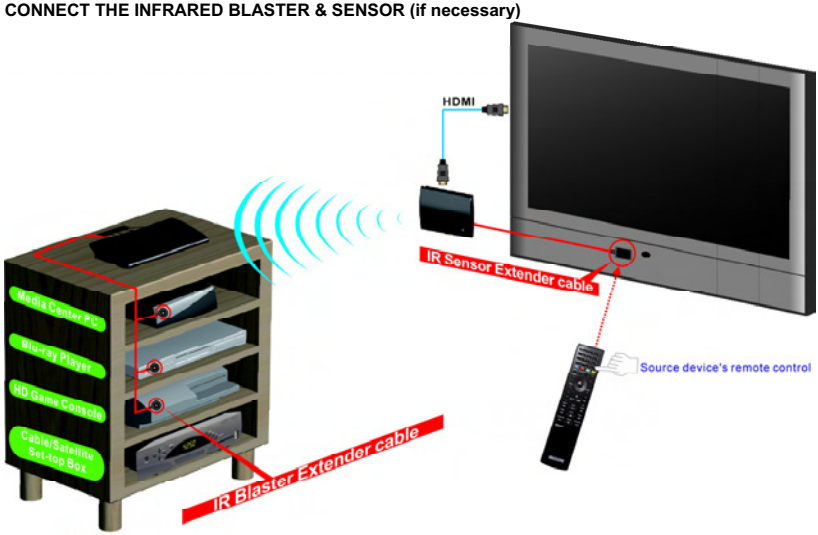
1. Connect up to 2 HD devices (HDMI OUT) to your GV800 Transmitter (HDMI IN) by HDMI cable.
2. Connect up to 2 HD devices (Y/Pb/Pr OUT) to your GV800 Transmitter (Y/Pb/Pr IN) by green, blue, red-coloured component video cable.
3. Connect the GV800 Transmitter's "Audio L/R IN" to the HD devices by a red and white coloured audio cable.
4. Connect the supplied power adapter between the DC IN of the GV800 Transmitter and a power outlet.

GIGAVIDEO 800 RECEIVER CONNECTIONS

1. Connect your HDTV or HD Projector (HDMI IN) to the GV800 Receiver (HDMI OUT) by the supplied HDMI cable.
2. Connect the supplied power adapter between the DC IN of the GV800 Receiver and a power outlet.

Note:
Use the supplied drill hole drawing, 2 anchors and 2 screws if you want to mount the GV800 Receiver to the wall (e.g. behind your HDTV).

CONNECT THE INFRARED BLASTER & SENSOR (if necessary)

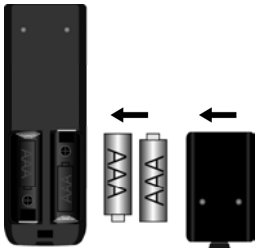


1. Plug the IR sensor extender cable into the IR IN jack of the GV800 Receiver and place in the line of sight of the remote control.
2. Plug the IR blaster extender cable into the IR OUT jack of the GV800 Transmitter. Place the IR blaster LED in front of your HD devices and it will transmit all infrared commands received by the IR sensor extender cable.

Note:

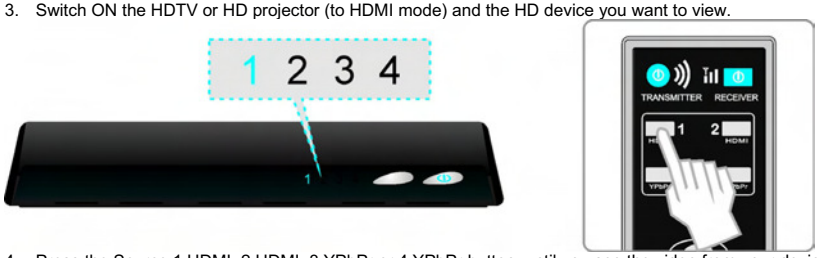
- IR blaster only supports 38kHz (NEC) and 36kHz (RC5 & RC6) infrared remote protocols. Some devices may not be supported.

USING THE GIGAVIDEO 800 SET



1. Place the two AAA batteries into the remote control.

2. Press the Power button of the GV800 Transmitter & Receiver to switch it ON. During warm-up the Power LED will blink blue until the signal link between the Transmitter & Receiver is established.
3. Switch ON the HDTV or HD projector (to HDMI mode) and the HD device you want to view.



4. Press the Source 1 HDMI, 2 HDMI, 3 YPbPr or 4 YPbPr button, until you see the video from your device.

Note:

- If all operation is normal, the Power LED will glow solid blue and Signal Strength will light in blue with max. 3 LEDs to visualise the signal strength (refer to LED details for more information).
- Make sure your HD Devices are powered (ON).
- Switching time between two source could be approximately 15 ~ 20 seconds.
- If video from YPbPr component source device appears but dim, than press the 3 or 4 YPbPr button repeatedly on the remote to fine-tune picture performance.

POWER LED	Source LED	Mode	Status
Red	OFF	Standby	In standby mode
Blinking Blue	N/A	Warm-up	Setting up connection between transmitter and receiver
		No connection *	Transmitter and receiver out of range or one of both has been switched OFF
Blue	Blinking 3x per second **	Connected *	Input from selected source device is not detected.
	Blinking 1x per second		Unrecognized video format. (Not support or out of range.)
	Solid blue		Recognized video format.

* Signal strength indicator (0 = no, 1 = weak, 2 = average and 3 = strong signal)
** It's normal to see the Source LED blinking when you switch your AV sources.

CHANNEL FREQUENCY
If you have some electronic devices like cordless phone, wireless access point/ router used with 5GHz channel frequency near the GigaVideo800, you may experience no/noise picture or diminished sound quality. Press the CHANNEL button three seconds to adjust to an appropriate channel for GigaVideo800.

1. Enter wireless RF channel adjustment mode
Press the CHANNEL button three seconds. The all SOURCE LED 1-4 will blink 3 times to show the current RF channel.

2. Changes to the next RF wireless channel
Press the CHANNEL button again. The SOURCE LED will automatic show the current switched RF channel.

RF Channel;	Frequency (MHz)	LED status	LED blinking number
# 32	5160	1 2 3 4	12
# 36	5180	1 2 3 4	13
# 40	5200	1 2 3 4	14
# 44	5220	1 2 3 4	23
# 48	5240	1 2 3 4	24

3. Exit the wireless RF channel adjustment mode
There is no button on the remote pressed about 10 seconds.

TECHNICAL DATA

Resolutions

Supported video resolution (YPbPr)	480i, 480p, 576i, 576p, 720p, 1080i, 1080p@24/30fps
Supported video resolution (HDMI)	480p, 576p, 720p, 1080i, 1080p@24/30fps
Supported audio formats (analog)	48kHz and 24-bit per sample
Supported audio formats (digital)	up to 3.072 Mbps AC-3 and DTS

Wireless

Operating frequency	5.1 ~ 5.2 GHz
Operating range	Up to 20 meter LOS (line of sight), up to 10 meter non LOS
System Latency	No latency (<1ms)

Transmitter

HDMI input	2x HDMI (19-pin female)
Component input	2x YPbPr (RCA)
Audo input	2x RCA
IR extender blaster	2.5mm jack
Dimensions	295 x 149 x 46mm

Receiver

HDMI output	1x HDMI (19-pin female)
IR extender sensor	2.5mm jack
Dimensions	180 x 140 x 39mm

Infrared

Supported IR frequency	36kHz / 38kHz

Power supply

Switch mode Power adaptor	100-240VAC @ 50-60Hz, 5VDC 3A

Specifications may be modified without prior notice.

Environmental Information for Customers in the European Union

European Directive 2002/96/EC requires that the equipment bearing this symbol on the product and/or its packaging must not be disposed of with unsorted municipal waste. The symbol indicates that this product should be disposed of separately from regular household waste streams. It is your responsibility to dispose of this and other electric and electronic equipment via designated collection facilities appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. For more detailed information about the disposal of your old equipment, please contact your local authorities, waste disposal service, or the shop where you purchased the product.